



# SAFETY DATA SHEET

## VS SHINE

### WHYTES SPECIALISED EQUIPMENT

Catalogue number: WH422

Version No: 2.2

Issue date: 02/07/2021

Safety Data Sheet according to WHS and ADG requirements

## SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### Product Identifier

Product name	VS SHINE
Product code	WH422
Pack sizes	1L; 5L & 15L

### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	High gloss polymer floor coating
--------------------------	----------------------------------

### Details of the manufacturer/importer

Registered company name	WHYTES SPECIALISED EQUIPMENT
Address	Unit 17/19 Cornhill Street, Ferntree Gully VIC 3156 Australia
Telephone	(03) 9758 6711
Website	www.carpetcleaningequipment.com.au
Email	sales@carpetcleaningequipment.com.au

### Emergency telephone number

Association / Organisation	Poisons Information Centre
Emergency telephone numbers	13 11 26
Other emergency telephone numbers	Not Available

## SECTION 2 HAZARDS IDENTIFICATION

### Classification of the substance or mixture

HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the Model WHS Regulations and the ADG Code.

Poisons Schedule	Not Applicable
GHS Classification	Reproductive Toxicity Category 1B, Skin Sensitizer Category 1B, <i>Classification drawn from HCIS and ECHA C&amp;L Inventory.</i>

### Label elements

Hazard pictograms	
-------------------	--

SIGNAL WORD	DANGER
-------------	--------

### Hazard statement(s)

H317	May cause allergic skin reaction
H360Df	May damage the unborn child. Suspected of damaging fertility

### Precautionary statement(s) Prevention

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood
P281	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment

**Precautionary statement(s) Response**

P302+P352+P333+P313	IF ON SKIN: Wash with plenty of water and soap. If skin irritation or rash occurs, get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P308+P313	IF exposed or concerned: Get medical advice/attention.

**Precautionary statement(s) Storage**

P405	Store locked up
------	-----------------

**Precautionary statement(s) Disposal**

P501	Dispose of contents / container according to local government regulations.
------	--

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS****Substances**

See section below for composition of Mixtures

**Mixtures**

CAS No	%[weight]	Name
84-74-2	<10	dibutyl phthalate
9010-77-9	30-60	ethylene/ acrylic acid copolymer

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

**SECTION 4 FIRST AID MEASURES****Description of first aid measures**

Eye Contact	If this product comes in contact with eyes: Wash out immediately with water. If irritation continues, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
Inhalation	If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
Ingestion	Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5 FIREFIGHTING MEASURES****Extinguishing media**

Extinguishing media	The product contains a substantial proportion of water, therefore there are no restrictions on the type of extinguishing media which may be used. Choice of extinguishing media should take into account surrounding areas. Though the material is non-combustible, evaporation of water from the mixture, caused by the heat of nearby fire, may produce floating layers of combustible substances. In such an event consider: foam. dry chemical powder. carbon dioxide.
---------------------	---

**Special hazards arising from the substrate or mixture**

Fire incompatibility	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
----------------------	--

**Advice for firefighters**

Fire fighting	Product is not flammable. Alert Fire Brigade and tell them location and nature of hazard Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. Use water delivered as a fine spray to control fire and cool adjacent area. Avoid spraying water onto liquid pools. <b>DO NOT</b> approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire.
---------------	--

Fire/Explosion Hazard	Combustible. Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers. May emit acid smoke. Mists containing combustible materials may be explosive. Combustion products include: carbon dioxide (CO <sub>2</sub> ), carbon monoxide (CO) and other pyrolysis products typical of burning organic material May emit corrosive fumes.
-----------------------	---

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Minor Spills	Attend to spill immediately. Flush away with copious amounts of water.
Major Spills	Moderate hazard. Prevent, by any means available, spillage from entering drains or water course. Increase ventilation. Stop leak if safe to do so. Absorb on sand, dirt, vermiculite or similar absorbent material. Place into labelled drums and dispose of according to local government regulations. Immediately notify emergency services (Police or Fire Brigade) if the spill is too large for you to safely and effectively handle.
PPE	Personal Protective Equipment advice is contained in Section 8 of the SDS

## SECTION 7 HANDLING AND STORAGE

### Precautions for safe handling

Safe handling	<b>DO NOT allow clothing wet with material to stay in contact with skin</b> Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area but avoid drafts carrying dust. Prevent concentration in hollows and sumps. Avoid contact with incompatible materials. <b>When handling DO NOT eat, drink or smoke.</b> Keep containers securely sealed when not in use. Avoid physical damage to containers.
Other information	Store in original containers. Keep containers securely sealed. No smoking, naked lights or ignition sources. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS.

### Conditions for safe storage, including any incompatibilities

Suitable container	Polyethylene or polypropylene container. Packaging as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.
Storage incompatibility	May react with strong acids, strong oxidisers, permanganates and nitrates. Attacks some forms of plastics Avoid reaction with oxidising agents

#### PACKAGE MATERIAL INCOMPATIBILITIES

Not Available

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

#### OCCUPATIONAL EXPOSURE LIMITS (OEL)

#### INGREDIENT DATA


Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australia Exposure Standards	dibutyl phthalate	Dibutyl phthalate	5 mg/m <sup>3</sup>	Not Available	Not Available	Not Available

#### EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
dibutyl phthalate	Dibutyl phthalate	15 mg/m <sup>3</sup>	31 mg/m <sup>3</sup>	9300 mg/m <sup>3</sup>

Ingredient	Original IDLH	Revised IDLH
dibutyl phthalate	9,300 mg/m <sup>3</sup>	4,000 mg/m <sup>3</sup>

**Exposure controls**

<b>Appropriate engineering controls</b>	Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate If ventilation is poor, then the use of a local exhaust ventilation system is recommended. Avoid strong drafts after the dressing has been spread as these can cause dust to settle on the wet dressing.
<b>Personal protection</b>	
<b>Eye and face protection</b>	If splashing is likely it is recommended that safety glasses with side shields should be worn.
<b>Skin protection</b>	See Hand protection below
<b>Hands/feet protection</b>	Wear chemical protective gloves, e.g. PVC.
<b>Body protection</b>	See Other protection below
<b>Other protection</b>	Not usually necessary.
<b>Thermal hazards</b>	Not Available

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Appearance</b>	Opaque white liquid		
<b>Physical state</b>	Liquid	<b>Relative density (Water = 1)</b>	Not Available
<b>Odour</b>	Mild	<b>Molecular weight (g/mol)</b>	Not Available
<b>Odour threshold</b>	Not Available	<b>Auto-ignition temperature (°C)</b>	Not Available
<b>pH (as supplied)</b>	8.5	<b>Decomposition Temperature</b>	Not Available
<b>Melting point / freezing point (°C)</b>	Not Available	<b>Viscosity (cSt)</b>	Not Available
<b>Initial boiling point and boiling range (°C)</b>	Not Available	<b>Partition coefficient n-octanol / water</b>	Not Available
<b>Flash point (°C)</b>	Not Available	<b>Taste</b>	Not Available
<b>Evaporation rate</b>	Not Available	<b>Explosive properties</b>	Not Available
<b>Flammability</b>	Not flammable	<b>Oxidising properties</b>	Not Available
<b>Upper Explosive Limit (%)</b>	Not Available	<b>Surface Tension (dyn/cm or mN/m)</b>	Not Available
<b>Lower Explosive Limit (%)</b>	Not Available	<b>Volatile Component (%vol)</b>	Not Available
<b>Vapour pressure (kPa)</b>	Not Available	<b>Gas group</b>	Not Available
<b>Solubility in water (g/L)</b>	Miscible	<b>pH as a solution (1%)</b>	Not Available
<b>Vapour density (Air = 1)</b>	Not Available	<b>VOC g/L</b>	Not Available

**SECTION 10 STABILITY AND REACTIVITY**

<b>Reactivity</b>	See section 7
<b>Chemical stability</b>	Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur.
<b>Possibility of hazardous reactions</b>	See section 7
<b>Conditions to avoid</b>	See section 7
<b>Incompatible materials</b>	See section 7
<b>Hazardous decomposition products</b>	See section 5

**SECTION 11 TOXICOLOGICAL INFORMATION****Information on toxicological effects**

<b>Inhaled</b>	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.
<b>Ingestion</b>	The material has <b>NOT</b> been classified by EC Directives or other classification systems as 'harmful by ingestion'. This is because of the lack of corroborating animal or human evidence.
<b>Skin Contact</b>	This material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition.
<b>Eye</b>	Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).
<b>Chronic</b>	No relevant information is available.

#### Toxicological effects of ingredients

dibutyl phthalate	Acute toxicity	Oral LD50 (rat): 6300 mg/kg Dermal LD50 (rabbit): >4000 mg/kg Inhalation LC50 (rat): >15 mg/L/4h
	Skin corrosion/irritation	Non-irritant (rabbit).
	Eye damage/irritation	Non-irritant (rabbit).
	Respiratory/skin sensitization	not sensitising
	Germ cell mutagenicity	no adverse effect observed (negative)
	Carcinogenicity	Not listed as carcinogenic according to the International Agency for Research on Cancer (IARC).
	Reproductive toxicity	May damage fertility or the unborn child.
	STOT (single exposure)	No available data
	STOT (repeated exposure)	No available data
	Aspiration toxicity	No available data
ethylene/ acrylic acid copolymer	Acute toxicity	Oral LD50 (rat) >5000 mg/kg (estimated) Dermal LD50 (rabbit) >5000 mg/kg (estimated) [Both based on information for components]
	Skin corrosion/irritation	Brief contact may cause skin irritation with local redness
	Eye damage/irritation	May cause slight eye irritation
	Respiratory/skin sensitization	Skin contact may cause an allergic skin reaction
	Germ cell mutagenicity	No relevant data found
	Carcinogenicity	No relevant data found
	Reproductive toxicity	No relevant data found
	STOT (single exposure)	Evaluation of available data suggests that this material is not an STOT-SE toxicant
	STOT (repeated exposure)	No relevant data found
	Aspiration toxicity	Based on physical properties, not likely to be an aspiration hazard

#### SECTION 12 ECOLOGICAL INFORMATION

##### Toxicity

	Endpoint	Duration (hr.)	Species	Value
Zinc ammonia carbonate complex – (component of ethylene/ acrylic acid copolymer)	LC50	96	Oncorhynchus mykiss (rainbow trout)	> 0.1 - 1 mg/l
	EC50	48	Ceriodaphnia dubia (water flea)	1.2 mg/l
	EC50	72	Pseudokirchneriella subcapitata (green algae)	0.403 mg/l
	NOEC	72	Pseudokirchneriella subcapitata (green algae)	0.056 mg/l
Ammonium hydroxide (component of ethylene/ acrylic acid copolymer)	LC50	96	Lepomis macrochirus (Bluegill sunfish)	0.87 mg/l
	LC50	96	Pimephales promelas (fathead minnow)	1.2 mg/l
	EC50	48	Daphnia magna (Water flea),	0.66 mg/l
dibutyl phthalate	C50	96	Fish	ca.0.48mg/L
	EC50	48	Crustacea	>0.003mg/L
	EC50	96	Algae or other aquatic plants	0.4mg/L
	BCF	936	Not Available	23.625-mg/L
	EC10	48	Crustacea	>0.003mg/L
	NOEC	1488	Not Available	-0.00053-0.00175mg/L

On the basis of available evidence concerning either toxicity, persistence, potential to accumulate and or observed environmental fate and behaviour, the material may present a danger, immediate or long-term and /or delayed, to the structure and/ or functioning of natural ecosystems.

**DO NOT discharge into sewer or waterways.**

##### Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
dibutyl phthalate	LOW (Half-life = 23 days)	LOW (Half-life = 3.08 days)

##### Bio accumulative potential

Ingredient	Bioaccumulation
dibutyl phthalate	LOW (BCF = 176)

##### Mobility in soil

Ingredient	Mobility
dibutyl phthalate	LOW (KOC = 1460)

#### SECTION 13 DISPOSAL CONSIDERATIONS

##### Waste treatment methods

Product / packaging disposal	Product and containers should be disposed of in accordance with local government regulations
------------------------------	--

#### SECTION 14 TRANSPORT INFORMATION

HAZCHEM	Not applicable
---------	----------------

Land transport (Not Applicable): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

## SECTION 15 REGULATORY INFORMATION

### Safety, health and environmental regulations / legislation specific for the substance or mixture

#### DIBUTYL PHTHALATE IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals  
Australian Inventory of Industrial Chemicals (AIIC)  
Chemical Footprint Project - Chemicals of High Concern List

## SECTION 16 OTHER INFORMATION

### Revision Schedule

Revision Date	02/07/2021
Initial Date	02/11/2019

### SDS Version Summary

Version	Issue Date	Sections Updated
2.1	21/12/2020	Sections 2, 5, 8, 9, 11,12,15,16 have been updated or corrected
2.2	02/07/2021	Section 16

### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources such as the ECHA C&L Chemical Inventory, HSNO (CCID) New Zealand, AICIS and HCIS Australia

DISCLAIMER: While the information in this Safety Data Sheet (SDS) is believed to be true and accurate, based on the current level of knowledge available to us, the author makes no representations as to its accuracy or sufficiency. Conditions of use are beyond the control of WHYTES SPECIALISED EQUIPMENT and therefore the users are responsible to verify this data under their own particular conditions of use, applications and regulations to determine whether the product is suitable for their particular purpose and they assume all risks of their use, handling, disposal, reliance upon, publication or use of the information contained herein. This information applies only to the product designated above and does not necessarily apply to its use in combination with other materials, products, chemical compounds, structures, or processes

### Definitions and abbreviations

PC-TWA;	Permissible Concentration-Time Weighted Average
PC-STEL:	Permissible Concentration-Short Term Exposure Limit
IARC:	International Agency for Research on Cancer
ACGIH:	American Conference of Government Industrial Hygienists
STEL:	Short Term Exposure Limit
TEEL:	Temporary Emergency Exposure Limit
IDLH:	Immediate Danger to Life or Health Concentrations
OSF:	Odour Safety Factor
NOAEL:	No Observed Effects Level
TLV:	Threshold Limit Value
LOD:	Limit Of Detection
OTV:	Odour Threshold Value
BCF:	Bio Concentration Factors
BEI:	Biological Exposure Index

This document is copyright.

Apart from any fair dealing for the purposes of private study, research, review or criticism, as permitted under the Copyright Act, no part may be reproduced by any process without written permission from WHYTES SPECIALISED EQUIPMENT.

**End of SDS**